

Product Overview

MMQA5V6T1: ESD / Surge Protector

For complete documentation, see the data sheet.

This quad monolithic silicon voltage suppressor is designed for applications requiring transient overvoltage protection capability. It is intended for use in voltage and ESD sensitive equipment such as computers, printers, business machines, communication systems, medical equipment, and other applications. Its quad junction common anode design protects four separate lines using only one package. These devices are ideal for situations where board space is at a premium.

Features

- SC-59 Package Allows Four Separate Unidirectional Configurations
- Peak Power - Min. 24 W @ 1.0 ms (Unidirectional), per Figure 5 Waveform
- Peak Power Min. 150 W @ 20 μ s (Unidirectional), per Figure 6 Waveform
- Maximum Clamping Voltage @ Peak Pulse Current
- Low Leakage < 2.0 mA
- ESD Rating of Class N (exceeding 16 kV) per the Human Body Model Mechanical Characteristics
- CASE: Void Free, Transfer-Molded, Thermosetting Plastic Case
- FINISH: Corrosion Resistant Finish, Easily Solderable
- Package Designed for Optimal Automated Board Assembly
- Small Package Size for High Density Applications

For more features, see the data sheet

Part Electrical Specifications

Product	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	V _(BR) Min (V)	V _{RWM} Max (V)	I _R Max (μA)	P _{PK} Max (W)	Package Type
MMQA5V6T1G	Pb-free Halide free	Active	General I/O	4	Unidirectional	-	5.32	4	2	24	SC-74
MMQA5V6T3G	Pb-free Halide free	Active	General I/O	4	Unidirectional	-	5.32	4	2	24	SC-74
SZMMQA5V6T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	General I/O	4	Unidirectional	-	5.32	4	2	24	SC-74
SZMMQA5V6T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	General I/O	4	Unidirectional	-	5.32	4	2	24	SC-74

For more information please contact your local sales support at www.onsemi.com.

Created on: 2/21/2019